

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

REPORT NO.

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COUNTRY East Germany

DATE DISTR

SUBJECT Germanium Transistor Development in East Germany

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ACQUIREDDATE OF
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(LISTED BELOW)SUPPLEMENT TO
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1. No completed germanium transistor was available at the Werk fuer Fernmeldewesen HF, Berlin-Oberschoeneweide, as of 30 October 1953. An East German scientific institute which ordered a transistor from the HF plant for scientific research was notified by the plant that a transistor could possibly be delivered at the end of December 1953 but not before that date.
2. Transistor development in the enterprise suffers heavily from difficulties in the purification of germanium. The transistors under development are of the point contact type. The amplifying factor is between 20 and 25. The frequency range is 0.5 to 1.0 MHz.
3. Physicist Krummbiegel (fnu) of the Biophysical Department of the Academy Institute for Medicine and Biology in Berlin-Buch is engaged in work on the purification of germanium for the HF plant.

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